

Systems of Equations and Graphs—Solving Using Graphs

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1. Solve each system of equations graphically.
2. Find the letter at their intersection point.
3. Write this letter in the blank beside each exercise.

Exercises

1. $y = x + 6$
 $y = -x + 4$ $(-1, 5)$

2. $y = -\frac{1}{3}x + 5$
 $y = \frac{4}{3}x$

3. $y = \frac{5}{2}x + 3$
 $y = \frac{3}{2}x + 5$

4. $y = \frac{3}{4}x + 1$
 $y = \frac{1}{2}x + 2$

5. $y = -x$
 $y = -\frac{1}{4}x + 3$

6. $y = -\frac{1}{4}x + 5$
 $y = -\frac{3}{4}x + 7$

7. $y = \frac{1}{4}x + 1$
 $y = -\frac{1}{2}x - 2$

8. $y = 2x$
 $y = \frac{3}{2}x - 1$

9. $y = -x + 2$
 $y = \frac{1}{3}x - 2$

10. $y = 2$
 $x = -3$

11. $y = -\frac{3}{4}x + 1$
 $y = -\frac{1}{2}x + 2$

12. $y = 4$
 $x = 4$

13. $y = \frac{1}{3}x + 1$
 $y = \frac{7}{6}x - 4$

14. $y = -7x - 2$
 $y = -5x$

15. $y = x - 5$
 $y = -x - 5$

16. $y = x$
 $y = -x$

